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BELHAVEN, NORTH CAROLINA
COMMUNITY FACILITIES PLAN AND
PUBLIC IMPROVEMENTS PROGRAM



ABSTRACT

TITLE: Community Facilities Plan - Public Improvements Program

AUTHOR: Division of Community Planning of the N. C. Department of Local Affairs

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ABSTRACT: This publication is divided into two primary sections; the Community Facilities Plan and the Public Improvements Program.

In the Community Facilities Plan, the existing facilities are examined, additional needs are determined, and improvements or additions are recommended.

Within The Public Improvements Program the needed additions and replacements are placed in chronological order over a twenty year period.



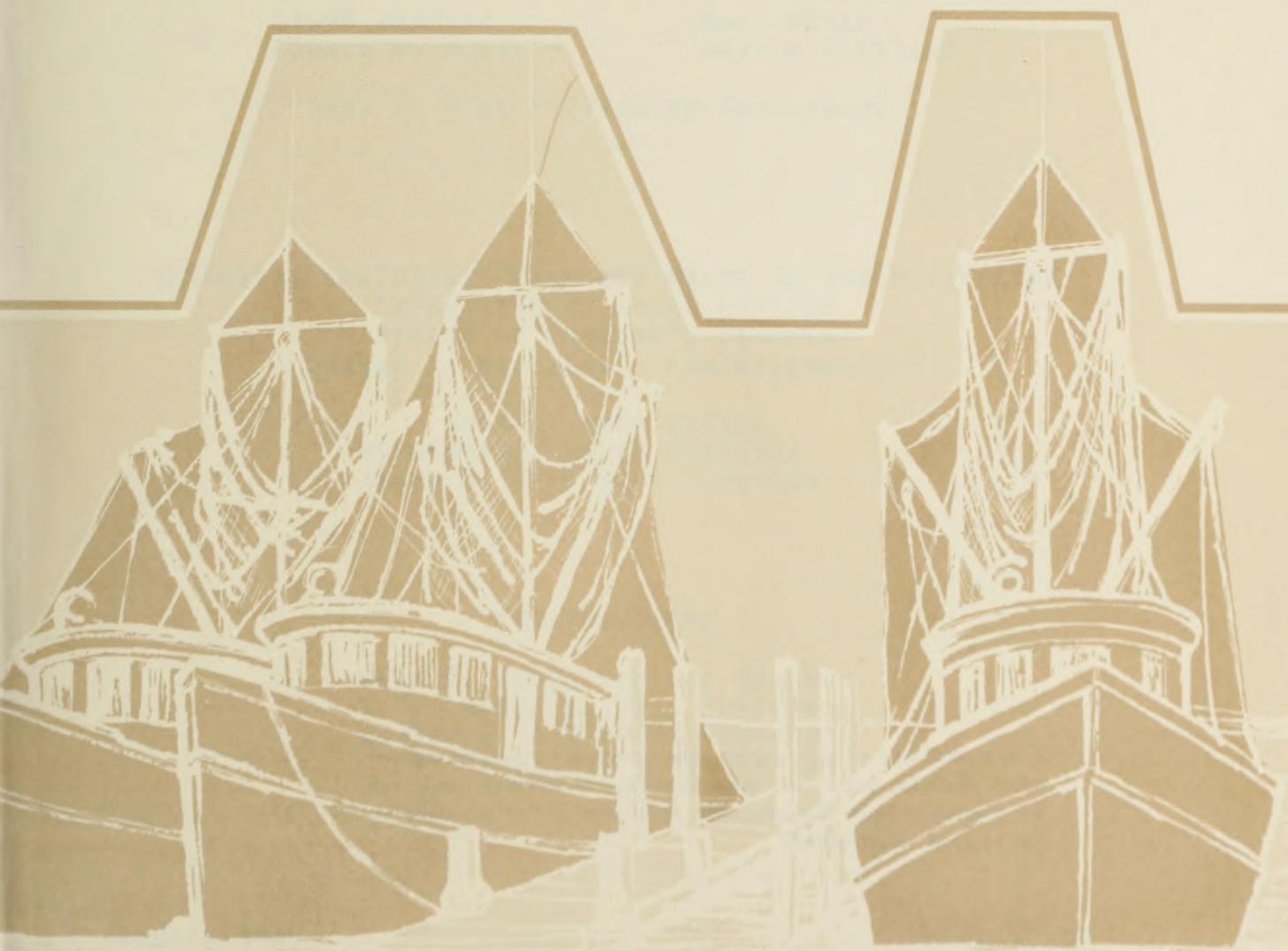
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BELHAVEN, NORTH CAROLINA

COMMUNITY FACILITIES PLAN AND PUBLIC IMPROVEMENTS PROGRAM



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PREPARED FOR THE TOWN OF BELHAVEN, NORTH CAROLINA

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INTRODUCTION

The purpose of a community facilities plan is to determine the adequacy of existing public facilities and services and to determine what is needed both at present and within a 20 year period. The term "community facilities" includes those functions and services financed or supported primarily by public monies and which require extensive capital outlay and a responsible administrative organization. Primary attention is given to those facilities and services for which the town is responsible. However, some services not provided by the town are also evaluated so that their relation to town services may be understood and a comprehensive viewpoint of all public services in Belhaven is presented.

Scope and Method

An inventory of existing public facilities and services, followed by a comparison of each facility and service to national and state standards is the basis of this report. Further refinement is made based on interviews with various public officials. From the above sources of information, recommendations are made by the planning board. These recommendations are the basis for the following Public Improvements Program and hopefully a six year Capital Improvement Budget that should be developed by the Town Board of Aldermen.

Population

The population of Belhaven in 1990 will need at least the same town services and probably will require additional services in quantity, quality, and kind. (Table 1). The quality of service afforded those living in Belhaven in 1990 will be determined in the next two decades. The 1990 population is projected to be near 3380 people or an increase of about 820 people in twenty years. This projection is derived by geometrically projecting the county population based on 1960, 1967, 1975, 1980, and 1990 population data and projections. The township's population is then projected as a ratio of the county population projection. The final step is the projection of Belhaven's 1990 population based on past and projected ratios of Belhaven's population to that of Pantego Township. The projected increase is based on past and projected county and township trends. The projection presented in Table 1 should be changed subsequent to the 1970 census data so that future budgeting may be more precise. An important basic assumption in this method of projection is that Belhaven's population will be the same proportion of Beaufort County's population in 1990 that it was in 1960.

TABLE 1

Population Change
1960 - 1990

	1960	1967 ^{1/} Est.	1975	1980 ^{1/}	1990
Beaufort County	36,014	38,637	41,900	45,000	51,000
Pantego Township	5,377	5,757	6,250	6,710	7,600
Belhaven	2,386	2,560	2,770	2,980	3,380

^{1/} Statistical Service Center, Budget Division, N.C.
Department of Administration "Estimates of the Population
of N. C. Counties, 1966 and 1967."

TOWN HALL

The present Town Hall has approximately 8100 square feet of gross floor area in two floors and a bell tower. The bottom floor is used for offices, a jail, and town meeting hall. One thousand square feet, extending the length of the building, and twelve feet wide, is used for storage of one street sweeper and very infrequent parking. This space was formerly used to store fire engines and equipment. The present general use of the space is as a large hallway between offices which are on both sides. Any future expansion of office space should be into this area.

The upstairs of the town hall is used as a museum. The museum is one of the town's tourist attractions, second only to hunting and fishing.

Future Plans and Recommendations

Future plans call for no changes to the present town hall. An area northeast of town hall is to be developed for parking. This parking will be metered and will serve downtown Belhaven as well as town hall. Seventy-four new parking spaces will be provided by this parking facility.

Future expansion will depend on whether court will be held in town hall. If court is held in Belhaven, then some office space expansion will be required.

Future expansion of Belhaven's town hall should be on the interior into the large hallway down the center of the first floor. A future need is a separate office for the town manager and the town building inspector. This office space should be acquired by partitioning the hallway and designing a smaller hall between new and existing offices.

PUBLIC SAFETY

Police Department

The police department is presently located in the town hall. It is staffed by four full-time and two part-time policemen. These men have no regularly scheduled shifts,

but someone is on duty at all times. The police department has one 1968 Plymouth police car equipped with two way radio. In 1980 one additional policeman will be needed and by 1990 seven full-time policemen will be needed. This judgement is based on a national standard of one policeman for every 500 people in the service area.

The town jail housed in the Town Hall is adequate for the infrequent use made of it. Because of the expense necessary to operate a full-time jail, the town is considering using the jail as a temporary jail between the arrest of a prisoner and his transfer to the county jail in Washington.

Future Plans and Recommendations

Future plans call for the purchase of a new fully equipped police car every three years and for the moving of the vehicles formally used by the police to standby status and for the building inspector's use.

It is recommended that the jail be made a temporary facility and that prisoners be detained for periods greater than twenty-four hours in the Beaufort County Jail.

Fire Department

The fire department began before anyone can remember. At least sixty years ago the department had one hand pumper and in 1918 acquired a Model "T" Ford with mechanized hose and reel. Presently, the fire department has two pumper

trucks. One is a 1942 model; the other is a 1956 model. Both have a 750 gallon per minute flow capacity.

The fire station houses the two trucks and a rescue squad truck. This station is adequate to serve the fire protection needs of Belhaven now and in 1990.

The fire fighting force is composed of 25 volunteer firemen. Of the 25 one is the fire chief and one is the engineer. These two are paid \$100 per year.

The fire department serves a fifteen mile area around Belhaven and for this the county contributes \$1200 per year for service to the county area around Belhaven.

The North Carolina Fire Rating Bureau rates Belhaven eight. This is the highest rating given a town that does not have someone on duty around the clock. Of the 308 towns rated by the Bureau, all towns with fire departments in North Carolina, 200 have the eight rating.

Future Needs and Recommendations

The Fire Department presently needs a rural fire truck to replace the 1942 truck. The county should furnish this truck to the town so that it will not jeopardize its fire protection while making fire calls in the county. The Fire Department should have a part-time man charged with keeping the fire and rescue equipment in top mechanical shape so that breakdowns can be avoided during emergency operation. The new central telephone emergency system now being in-

stalled will provide around the clock emergency service to all emergency services.

A new fire truck should be purchased immediately to replace the 1942 model truck and a new truck should be purchased within seven years to replace the 1956 model truck. A replacement truck should be purchased every 20 years thereafter, unless investigation discloses inadequacies that make more frequent purchases necessary.

Rescue Squad

The rescue squad is staffed by all members of the Belhaven Fire Department. The squad presently uses a 1966 Dodge truck. A 1953 Packard ambulance is presently being offered for sale by the town board. The one truck is sufficient to meet the ordinary emergency needs of Belhaven and the 20 mile radius the rescue squad serves. The squad presently receives about 10 calls per month, the majority of which are not emergencies but are for people who cannot be moved to and from the hospital by passenger car.

Future Needs

The rescue squad truck should be replaced every ten years.

Civil Defense

The emergency equipment for civil defense in Belhaven consists of two emergency generators and three police radios used in natural disasters. Also, in case of natural disaster, the various public buildings are used as shelters.

Provisions for protection from nuclear fallout are presently non-existent in the Belhaven area. Survival of Belhaven's citizens is unlikely should the obvious targets of Seymour Johnson Air Force Base, Norfolk Naval Shipyard, or Cherry Point Marine Air Station be attacked in the event of nuclear war. There are no shelters in the area that can qualify as fallout shelters, and thereby be stocked with provisions by the Federal Government for long term stays necessary for survival. There are three trained shelter managers in the Belhaven area. However, trained radiological monitoring personnel are absent from the area.

Future Plans and Recommendations

Personnel should be trained as radiological monitors. Their training is paid for with federal civil defense funds. However, they are not paid for their time or travel. Qualified persons who will most likely be in the Belhaven area for some time and who have a college degree in a science related field should be selected and subsidized by the town board, at least for travel expenses, to train as radiological monitors.

Shelter space should be provided in the future when a public or semi-public building is constructed. The county civil defense director can provide a consulting architect to advise as to how the building can be constructed to qualify as a shelter. Once the structure qualifies, the Federal Government will stock it for survival.

PUBLIC WORKS

Town Maintenance

The present town maintenance shop is located behind town hall. The shop presently houses repair equipment and shop tools. There is no storage of town vehicles. Town vehicles are presently stored outside. The shop will be moved to a new shop and garage site on Lee Street near the proposed Shoemake Creek Town Park.* This site will also be used as a storage area for town equipment. Development of the site for the town garage is planned for 1970.

Future Plans and Recommendations

The town should plan to build a garage large enough to store all heavy equipment belonging to the town. The storage area and maintenance shop should be compatible in appearance with the proposed and adjacent Shoemake Park. This construction should be completed by 1971.

*Land Development Plan Belhaven, North Carolina, p. 91.

Refuse Collection

Refuse is disposed of in the town dump 1½ miles north-east of town on U.S. 264 alternate route. The town uses both land fill and burning to dispose of the refuse. This operation should be only by land filling in the future.

A recent purchase for refuse disposal is a garbage packer truck which can pack and carry 18 cubic yards of refuse per trip. This truck plus three full-time employees will handle all town refuse disposal in the future. The truck cost \$9850 and should last about ten years.

Future Plans and Recommendations

The new packer truck should be sufficient to handle disposal in Belhaven for the next ten years. The 30 acre dumping ground will accommodate an estimated 457,380 tons of refuse. The town is expected to generate a maximum of 480 tons of refuse by 1990 or 24 tons per year.

The town should use their bulldozer to bury the refuse presently on top of the ground at the dump. The filled area should then be covered with topsoil as a new fill is created. This operation should be continued throughout the planning period.

Water

The existing water system in Belhaven is being expanded, and treated water will be available to all citizens by 1971.

The present system is under the water and sewer department. Presently, two new wells are being dug and an 8" line extended from them to the treatment facility on Mill Street. A new 200,000 gallon tank is planned for the westend of town on Mill Street which will supplement the present 75,000 gallon tank located on Haslin Street. The present daily water use is not metered but maximum use is estimated by the engineering firm of William C. Olsen and Associates to be 400,000 gallons per day. This is during crab season when the Blue Channel Crab Plant uses large amounts of water. The present system does not use meters because of the corrosive effects of the water on meter parts. The new system will have a capacity of 500,000 gallons per day when it becomes operational in 1971 and will be metered at all use points. The system will be designed so that it can be expanded to provide 1.5 million gallons per day, enough to supply a town of 7500 people. The projections indicate that by 1990 the population of Belhaven will be approximately 3400. Any future expansion plan should be reviewed to determine what new levels brackish water would be likely to assume as a result of increases in the volume of water taken from the new wells.

Fire Protection

Water pressure for fire protection is adequate in the downtown area. There are gaps in the present system of fire hydrants in the rest of town. All of these gaps will be filled with the installation of new hydrants as presently planned in the water and sewer improvement plan. The town board is presently working with Olsen and Associates, engineers in finalizing these plans.

Future Plans & Recommendations

The town is presently finalizing plans for a one-half million dollar water and sewer system to provide the basic elements to its citizens of safe water and sanitary treatment. Water plans include the installation of the new water lines covering most of Belhaven by 1971. The water map on page 13 indicates the location of existing lines, lines to be installed by the end of 1971, and lines planned for installation beyond 1972. The water and sewer plan do not conform to the thoroughfare plans made in the Belhaven Land Development Plan on page 103. The thoroughfare plan has been revised and a new one is presented on page 21.

Future plans should include the replacement of lines that require three or more patches. The town manager is having the town building inspector map these lines as they are patched. No clear estimate can be made of replacement needs until more leaks occur and are mapped. However, the highest priority on replacement should be the following 4" lines with 6" mains.

---replace 4" line from Cuthrell Street to Main Street along Tooley Street.

---replace 4" line from Tooley Street to Riverview Street along Main Street.

---replace 4" line from Main Street to Water (Front) Street on Riverview Street.

---replace 4" line from Riverview Street to Pamlico Street along Water (Front) Street.

---replace 4" line from Main Street to Water (Front) Street along Magnolia Street.

WATER DISTRIBUTION SYSTEM

*PROPOSED BY WILLIAM C. OLSEN and ASSOCIATES
RALEIGH, N.C., ENGINEERS and ARCHITECTS

INTO COPY THE FUTURE LAND USE AS PROPOSED
IN THE LAND DEVELOPMENT PLAN



BELHAVEN, NORTH CAROLINA



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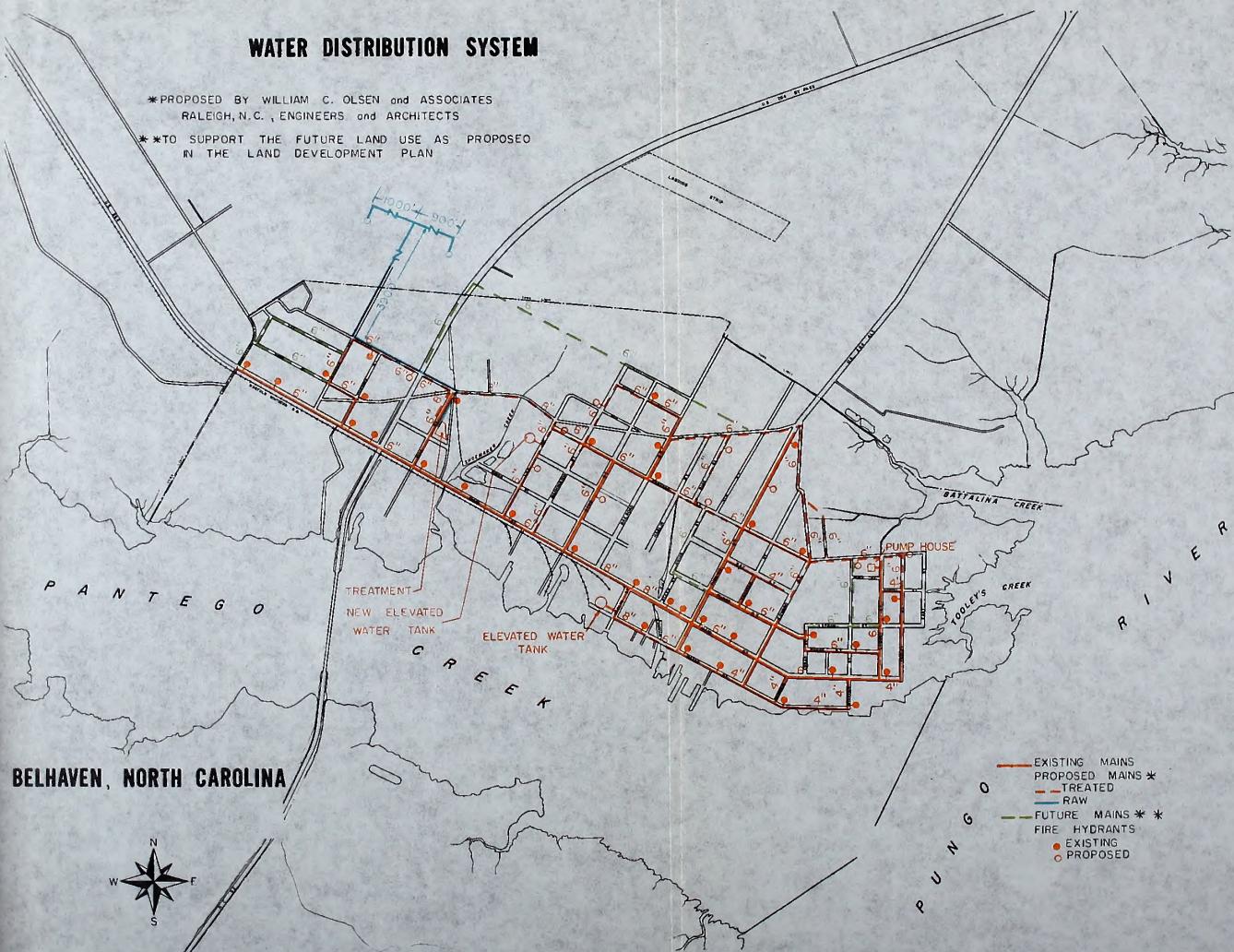
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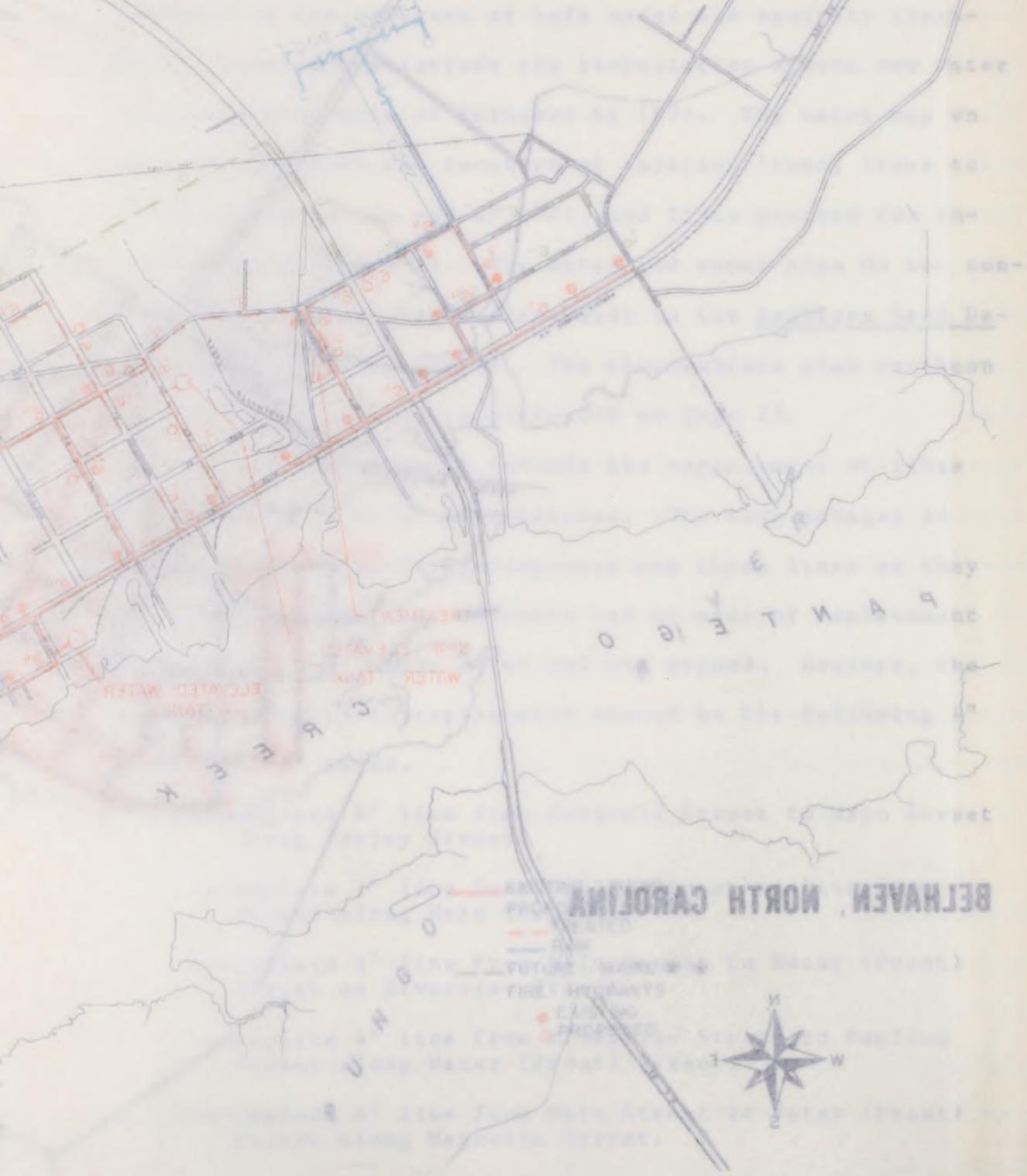
* PROPOSED BY WILLIAM C. OLSEN and ASSOCIATES
RALEIGH, N.C., ENGINEERS and ARCHITECTS

* TO SUPPORT THE FUTURE LAND USE AS PROPOSED
IN THE LAND DEVELOPMENT PLAN



WATER DISTRIBUTION SYSTEM

*PROPOSED BY WILLIAM C. GREEN AND ASSOCIATES
RAFFIGH, N.C., ENGINEERS AND ARCHITECTS
*TO SUPPORT THE FUTURE LAND USE AS PROPOSED
IN THE LAND DEVELOPMENT PLAN

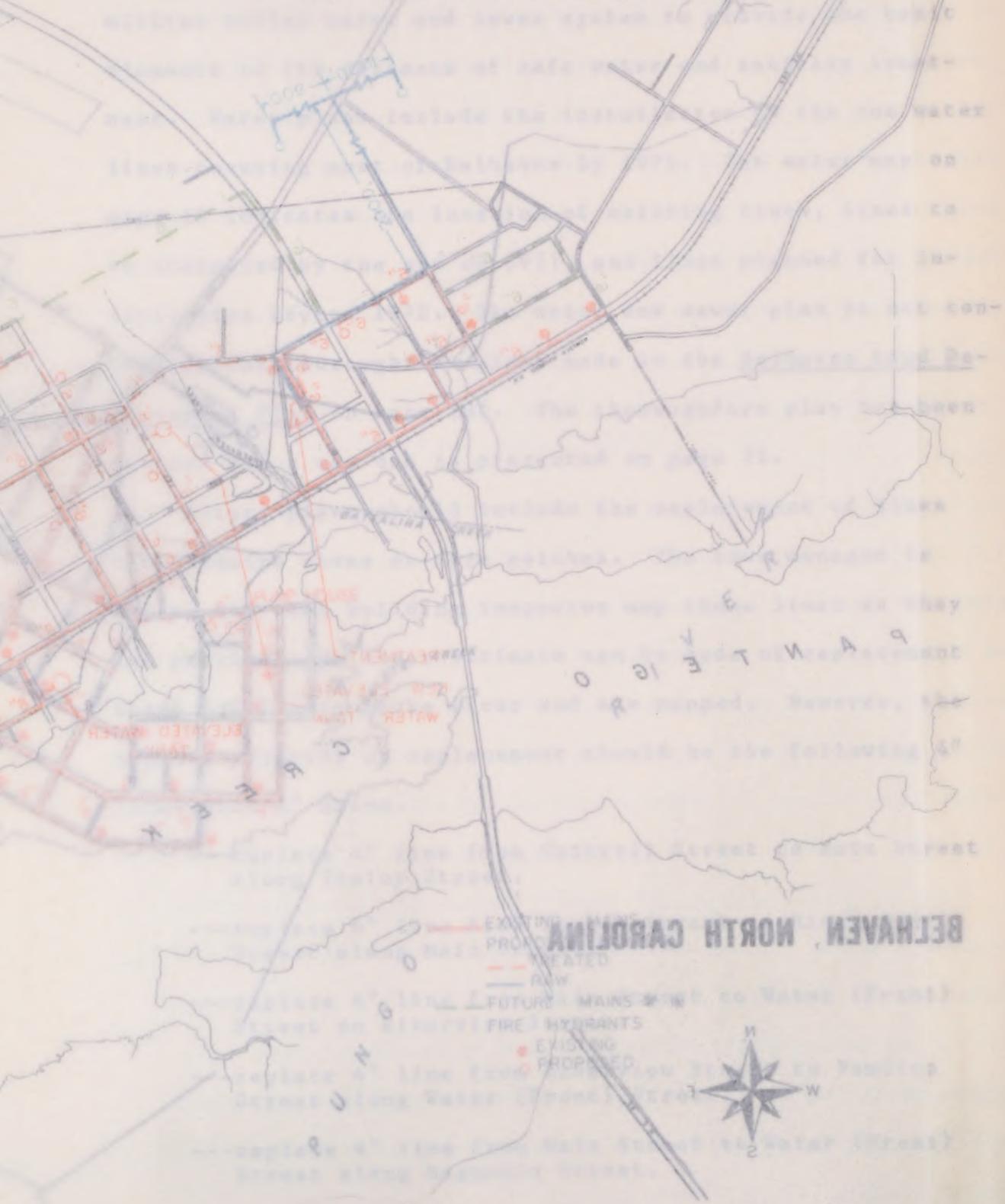


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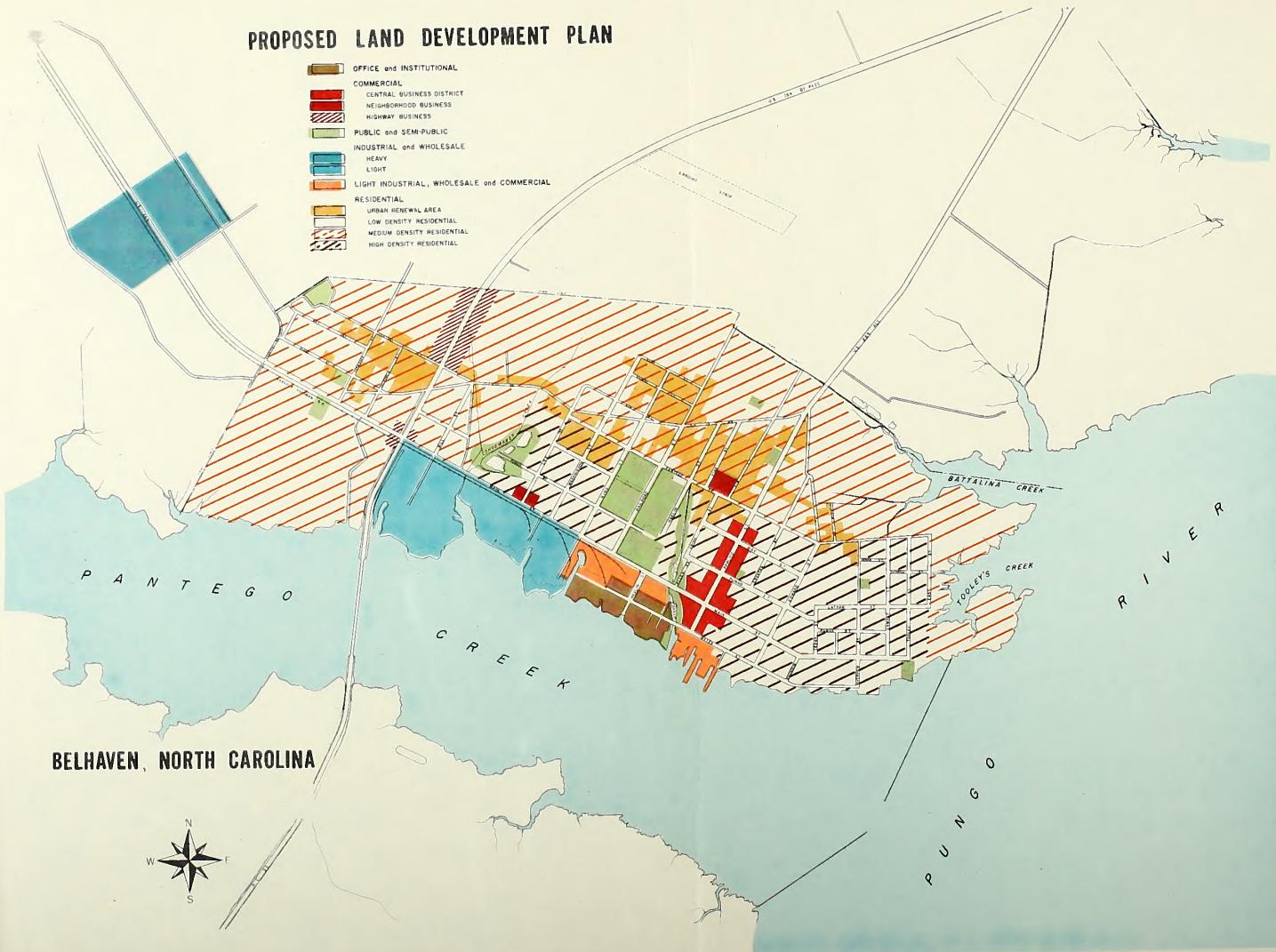
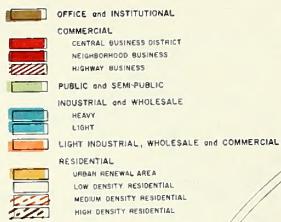
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*TO SUPPORT THE FUTURE LAND USE AS PROPOSED
IN THE LAND DEVELOPMENT PLAN



PROPOSED LAND DEVELOPMENT PLAN



Sanitary Sewer

The sewerage improvements engineering report is presently being revised and upon completion and approval by the Economic Development Administration will be constructed. The sewerage plan is shown on the overlay map on page 17.

Below is a summary of the original engineering report.*

8" Sewer pipe, in place 26,000 LF
10" Sewer pipe, in place 1,500 LF
12" Sewer pipe, in place 6,000 LF
8" Force mains 2,600 LF
Manholes
Wye Branches
Stabilizing Material
1 Small Lift Station
1 Large Lift Station
East Belhaven Treatment Plant

Future Plans and Recommendations

The improvements to the Belhaven sewerage system are scheduled for completion in 1971. These proposed improvements and additional suggested improvements are shown on the map on page 17. In 1990, 340,000 gallon per day capacity will be needed using 100 gallons per day per person as a demand figure. This allows an excess capacity of 930,000 gallons per day for industrial and commercial use. The planned treatment facility will handle a maximum capacity of 1.3 million gallons per day sufficient for Belhaven's projected 1990 population.

*Letter to Local Government Commission July 25, 1966 from William C. Olsen and Associates, Engineers and Architects. Summary of water and sewer report for construction of extensions in Belhaven, North Carolina.

Electric Service

The town purchases electricity from Virginia Electric Power Company and resells it to the citizenry. In fiscal year 1967-68 the town realized approximately \$80,000 in revenue over expenses. This revenue was used to provide other services to the town that would have required an increase in taxes. The system is maintained by city employees and personnel under contract to provide specialized services. The town presently is equipping one of its trucks, recently purchased, with a telescoping pole and bucket from which repairmen can easily maintain and repair the lines.

Future Plans and Recommendations

The town is requesting the services of an electrical engineer to survey the system to determine its inadequacies and to estimate the cost of future system needs. These repairs are expected to increase the cost of the system in the next few years and thereby cut revenues available from electrical sales until the increased costs are paid.

It is the present policy of the Town of Belhaven to replace ten filament lights per year with new mercury vapor lights. It is indicated from a survey of street lighting in Belhaven that 174 such replacements are to be made. At the present replacement rate, it will take 18 years to replace the filament lights. Further, using a minimum standard of one light every 400', ten new street lights are needed

SANITARY SEWER SYSTEM

PROPOSED BY WILLIAM E. OLSEN AND ASSOCIATES
RALEIGH, N.C., ENGINEERS AND ARCHITECTS

MAP NO. 400-32



BELHAVEN, NORTH CAROLINA

EXISTING SEWER
PROPOSED
DRAIN
FORCE
FIRE
PUMP STATION
EXISTING
PROPOSED



Electric Service

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SANITARY SEWER SYSTEM

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RALEIGH, N.C., ENGINEERS and ARCHITECTS



BELHAVEN, NORTH CAROLINA



— EXISTING SEWER
* PROPOSED SEWER
— GRAVITY
— FORCE
PUMP STATIONS
■ EXISTING
□ PROPOSED

SANITARY SEWER SYSTEM



BEL

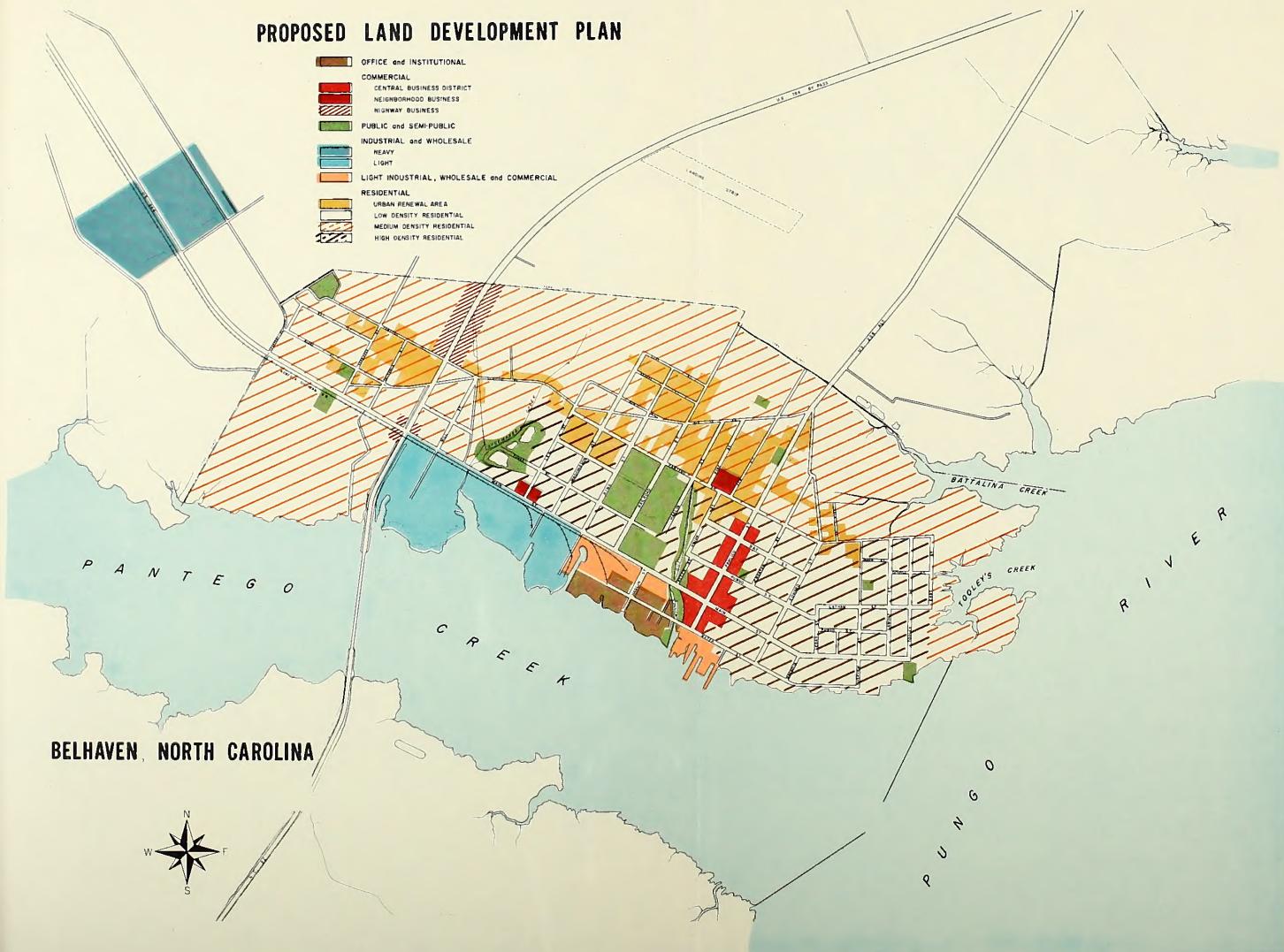
SANITARY SEWER SYSTEM

*PROPOSED BY WILLIAM G. OLNEY AND ASSOCIATES
RALEIGH, N.C., ENGINEERS AND ARCHITECTS



PROPOSED LAND DEVELOPMENT PLAN

- OFFICE and INSTITUTIONAL COMMERCIAL
- CENTRAL BUSINESS DISTRICT NEIGHBORHOOD BUSINESS
- HIGHWAY BUSINESS
- PUBLIC and SEMI-PUBLIC INDUSTRIAL and WHOLESALE
- HEAVY LIGHT
- LIGHT INDUSTRIAL, WHOLESALE and COMMERCIAL RESIDENTIAL
- URBAN RENEWAL AREA LOW DENSITY RESIDENTIAL MEDIUM DENSITY RESIDENTIAL HIGH DENSITY RESIDENTIAL



now. It is therefore recommended that the replacement rate be increased to twenty-five per year which would allow total replacement within 8 years. The ten new lights should be installed one each year for seven years and three during the eighth year.

TRANSPORTATION

Streets

The present street paving program is paid for by Powell Bill funds amounting to approximately \$10,000 per year.

There is no charge to the property owner for paving. Paving is generally done under contract with the state highway department. The town employs 12 people to handle general street maintenance and refuse disposal. These personnel are sometimes switched to other jobs when it is necessary. The same system of free paving should be continued so that the poor, whose streets are on the verge of being paved, can receive the same treatment that those in East Belhaven have received.

Sidewalks are paved on an assessment basis with the property owners paying the entire cost.

Future Plans and Recommendations

Revised Thoroughfare Plan

The Thoroughfare Plan presented in the Belhaven Land Development Plan on page 103 is revised in this report. The primary reason for revision is the inability of the town to

undertake a major urban renewal effort. A basic assumption of the Land Development Plan was that the town undertake such a renewal effort. (Page 73 Belhaven Land Development Plan).

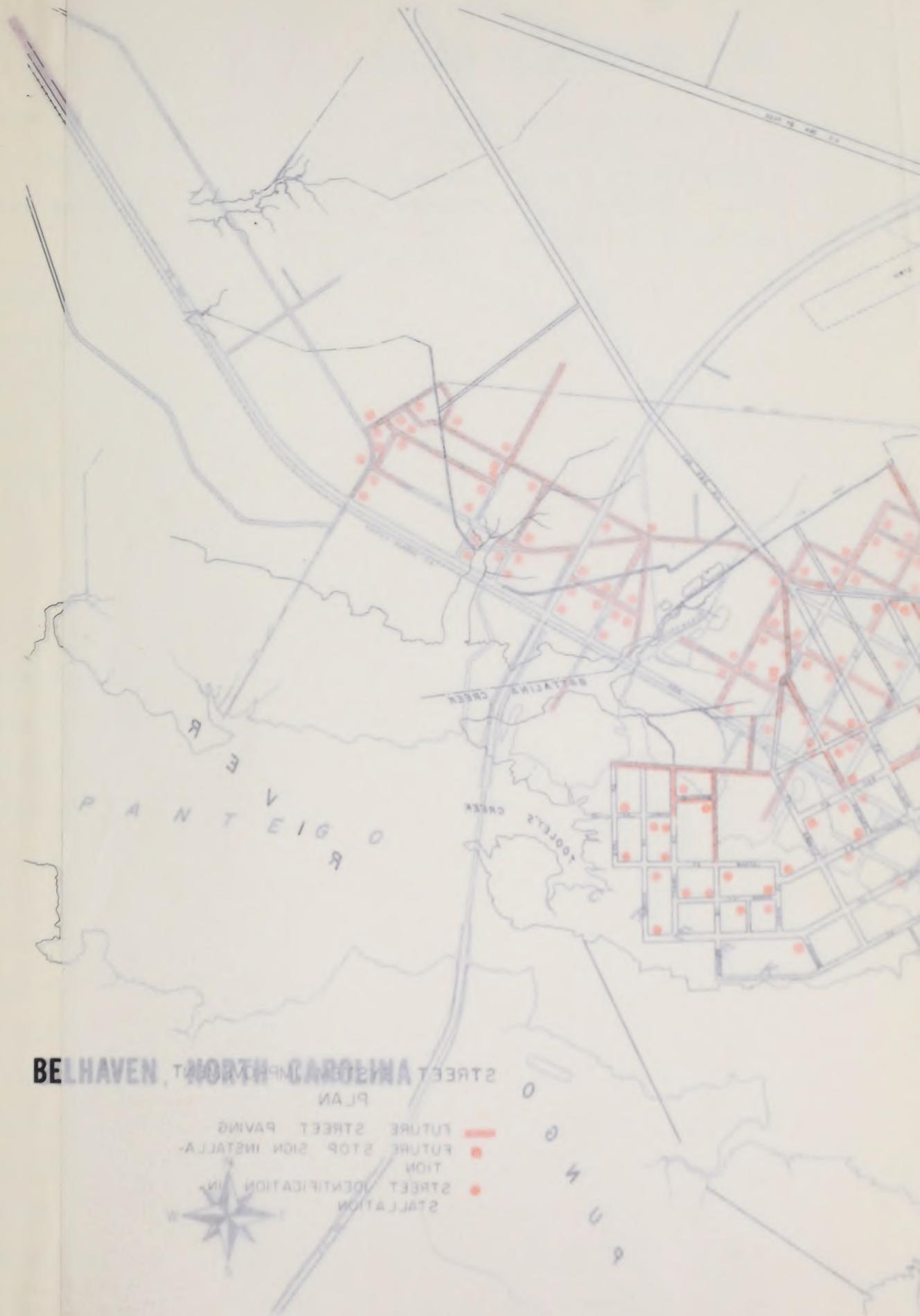
In the revised plan as shown on page 21 of this report, only three deadend streets are recommended for closing. The other streets that were formerly recommended for closing should remain opened. The second major change is the addition of collector streets on the west of the 264 By-Pass to serve the addition of 820 new people or approximately 240 new families. Assuming a density of four families per acre, eighty to one-hundred acres will be needed to serve these new families. The additional collector will provide adequate service to west Belhaven should new development occur in that direction as indicated in the Land Development Plan.

Street Paving Plan

The street paving plan for Belhaven is an ambitious one. (See overlay of Revised Thoroughfare Plan page 21.) The plan should be initiated on completion of the water and sewer construction. The completion of this project as indicated earlier will be late 1971. The determination of which streets should be first paved is given in the Public Improvements Program which is the scheduling section of this report and begins on page 35.

Street Sign Plan

The plan for improving street identification and stop signs in Belhaven should be accomplished by 1975. Thirty-



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BELHAVEN, NORTH CAROLINA

STREET SYSTEM IMPROVEMENT
PLAN

- FUTURE STREET PAVING
- FUTURE STOP SIGN INSTALLATION
- STREET IDENTIFICATION INSTALLATION



BELHAVEN, NORTH CAROLINA



BEI

BELHAVEN, NORTH CAROLINA

- FUTURE STREET PAVING
- FUTURE STOP SIGN INSTALLATION
- ▲ STREET IDENTIFICATION STICKERS



SKETCH THOROUGHFARE PLAN

- MAJOR ARTERIALS
- COLLECTORS
- LOCAL OR MINOR STREET
- TO BE REMOVED
- REDESIGN INTERSECTION



six stop sign repairs are needed to bring existing signs into conformance with sign standards. Thirty-nine stop signs are needed to cover intersections with no stop signs.

Fourteen street identification signs are in need of repair and fifty-six new street identification signs are needed. These signs should be provided during a ten year period between 1970 and 1980. This period is allowed because these signs are not considered as essential as other programs planned for Belhaven.

Airport

The air strip serving Belhaven is 2100' long and unpaved. The improvement of this strip would help attract future industry. The airports at Washington and New Bern presently serve the Belhaven area. The New Bern Airport provides the nearest commercial flight service for the area.

Future Plans and Recommendations

There are no future plans for the present air strip. The town pays \$300 a year to lease the present air strip.

The present and most urgent need is a hanger to protect aircraft from storm damage and vandalism. A second need is a telephone at the Airport. Future needs that should be met are to lengthen and pave the existing runway and to make a new cross runway. The Airport Study Committee appointed by the Town Board of Aldermen should make final recommendations.

dations to the town board as to future improvements needed at the airport.

EDUCATION

The two public schools in Belhaven are part of the Beaufort County School System. They are located in District III of the County System. The Belhaven High School served Negro students grades 1-12 and the John A. Wilkinson High School served the white grades 1-12, until 1968. Under compliance of the 1964 Civil Rights Act the two schools were combined. Under the present combination, the former Belhaven High School now has grades 1-8. The John A. Wilkinson School presently has a small enrollment of kindergarten and elementary students and handles all the high school students.

According to the School Planning Division of the State Department of Public Instruction, a new consolidated high school should be built west of Belhaven near Yeatesville to serve the high school needs of District III. Presently, the state has authorized \$475,275.66 in bonds to be given to the county for the construction of the new consolidated high school. The future status of the Central Consolidated High School is unknown because the newly elected Board of Commissioners must decide whether they wish to use the state money that is available or do without. If they decide to forgo the planned improvements, the existing distributions of students and school plant will probably not change in the near future.

Inventory

The following inventory of the two public schools in Belhaven summarize data gleaned from personnel interviews with the County Superintendent of Schools W. F. Veasey, his staff and C. W. McLean, principal of John A. Wilkinson School and R. P. Carr principal of Belhaven School. The following is an inventory of the two schools.

Belhaven Elementary School - Grades 1-8

Site size is 12 acres.
Present plans are to retain the buildings for elementary school purposes.
Present Average Attendance - 517
Present Estimated Capacity - 550
Present Number of Classrooms - 23 (plus 3 Mobile Units)

School officials feel that the present supporting units such as the cafeteria and library are adequate. If the new Central High School is built, then the John A. Wilkinson High School will be able to absorb about 170 of the students presently in the Belhaven Elementary School. This will even up the present enrollments at about 350 at each school. If the new Central High School is not built, the two schools will remain overcrowded. Overcrowding may become acute when future elementary enrollments reach 820 in the early seventy's as predicted in the Beaufort County School Survey done in 1965. The most pressing need is a gymatorium at the Belhaven School for assemblies and physical education classes.

John A. Wilkinson High School - Grades 1-12

Site size is 12 acres.

Future needs of modifying this plant will depend on the action or inaction of the present board of county commissioners.

Present Average Enrollment - 550

Present Estimated Capacity - 590

Present Number of Classrooms - 23

The gymnasium and cafeteria have been built since 1961. They are both adequate to serve the projected elementary enrollment of 359 in the early seventies. The two facilities are presently serving about 540 pupils based on October 1968 average daily attendance. The library is adequate. Major needs are covered walkways and more spectator space in the gymnasium.

Future Plans and Recommendations

Current plans are to build the new Central High School to serve the Belhaven area, making the two in town school plants available for use as elementary schools. These facilities would adequately serve the present elementary school population of Belhaven, 680 pupils. (Based on average daily attendance for October 1968). The maximum estimated elementary capacity of the two schools is approximately 1000. Thus, the present facilities can handle 320 additional students. Based on the 1990 projection of 3400 and using the 1967 ratio of school age population to total population, it is determined that Belhaven's two schools will be able to handle additional elementary students without additional school plant, other than the gymatorium needed at the Belhaven School and covered walkway at the John A. Wilkinson School.

RECREATION

Belhaven presently has two public park facilities with total space of five acres. According to the Land Development Plan, Belhaven, North Carolina, the town needs 20 more acres of park land.

Future Plans and Recommendations

PARK GUIDELINES*

Type Facility Needed	Number of Sites Needed	Site Size	Total Acres
Neighborhood Playfield	4	½ to 1 acre	2-4
Community Center	1	2 to 4 acres	2-4
Town Park (Shoemake Creek)	1	15 acres	10-15
Marina	1	2 to 4 acres	2-4
Wynne's Gut Parkway	1	4 acres	4
TOTAL ACREAGE			20-31

*Land Development Plan, Belhaven, North Carolina, p. 91.

The above table outlines the park needs of Belhaven. Of those listed, The Northside Community Park has been built on a site of approximately four acres. This park is slowly being developed as a community park for Northside residents. The park will have a pavilion with cooking pits as well as the usual ball diamond and tennis-basketball court. The rest of the planned park building program should include the following park development.

---The Riverview Street Neighborhood Playfield on Riverview Street in an area north of Latham Street should be one acre and contain play equipment for children under 10.

- The Pamlico Street Neighborhood Playfield on Pamlico Street in an area north of Pantego Street should also be 1 acre in size and contain play equipment for children under 10.
- The West Pungo Neighborhood Park near the intersection of West Pungo and Harbinger Streets should be one acre and have play equipment for children under 10.
- The fourth neighborhood park should be located generally between Bay and Main Streets and Pamlico and Edward Streets to serve this dense residential area. The park should be $\frac{1}{4}$ to 1 acre in size and serve children under 10.
- A Community Center building should be built in the present Northside Community Park site. This building would supplement the present open pavilion now planned for the area. Since the space at the park is presently limited, the pavilion should be enclosed, or closed enough to permit both summer and winter activities. A swimming pool or similar facility is also needed for Northside residents.
- The Town Park planned for the Shoemake Creek area should be landscaped and used as a combination active and passive park. The site recommended in the Land Development Plan is fifteen acres and surrounds the three ponds in the Shoemake Creek area. Some of this land will be used as a town garage.
- The proposed Wynne's Gut Park should be developed as much as is required to supplement present efforts by private owners to build bulk-head and slip facilities. The town should develop this area for passive recreation, with bulk-heading and landscaping.
- A Wynne's Gut Boat Marina should be pursued by the town planning board so that the Army Corps of Engineers plan for a small boat marina can be accomplished.

An advisory committee to the Town Planning Board should be established to study the possibilities for park and marina development. This advisory committee should submit complete plans for park development including cost estimates of land acquisition and development. The proposals should be

considered by the Town Planning Board and submitted to the Town Board for inclusion in future Capital Improvements Budgets and budget revisions.

A summer recreation program using school athletic personnel as directors should be planned between the town and the school system to allow maximum use of existing school facilities and park facilities during the summer months. This program should be designed to give all persons of school age an opportunity to learn a variety of athletic and craft skills.

LIBRARY

The library was built in 1951 and presently contains 3600 volumes. The library is part of the Beaufort, Hyde, Martin Regional Library Association. This membership plus the Wide Area Telephone Service (WATS) library network of state libraries allows the citizens of Belhaven a wide range of book choices. The library is supported by the Town Board which contributes \$600 per year and by local membership donation drives. These fund raising drives, held annually, supply the remainder of the funds.

The school libraries are open three days per week during the summertime. The County Bookmobile also makes regular visits during the summer months.

Future Plans and Recommendations

Future improvements to the present town library will include the installation of an air conditioning system and extra shelving in the upstairs section to house older and less frequently used volumes. Any other future improvements will depend on the support and interest of the citizens in the quality of their library.

No arbitrary standard can determine the adequacy of a library. The adequacy is determined by those who use and support it. However, standards established by the North Carolina Library Association can be helpful in evaluating the present library. According to the association's standards, the present library and single staff member is adequate for a town of Belhaven's size and projected population of 3380.

HEALTH FACILITIES

Present health facilities include one general hospital and one county health department office open part-time to disseminate preventive medicine information. The Pungo District Hospital presently has 37 beds. This hospital is financed through renumeration for patient care. It is a non-profit stock hospital. For specialized treatment the patient is referred to a hospital in Washington or the nearest hospital that is equipped to treat his specific illness. The Pungo District Hospital does only general surgery.

The present county welfare and health departments hold clinics of various types in the county office building on east Front Street. The health department programs are preventive and include well-baby clinics, immunization and food handlers clinics, and general immunization and blood testing. Planned Parenthood and X-rays are available only by traveling to Washington.

Future Plans and Recommendations

Future plans are to expand the hospital, within the next two years, to 50 beds.

Long term nursing facilities are needed in the Belhaven area to handle those needing long-term nursing care who are presently living at home without any nursing care. This service can be provided through the expansion of existing nursing home facilities or by expanding the out-patient care services available to those needing long-term care. The people who may benefit from an expanded out-patient care program are those presently living at home. They are unable to enter a nursing home because they are indigent and private nursing homes cannot make a "decent" profit caring for the indigent. Out-patient care is less costly than commitment, is generally psychologically more healthy, and in many cases can better accomplish the goal of good physical and mental health for the elderly. An out-patient care program would first require a survey of those who would benefit by the service and then a staff of nurses hired to supply out-patient demand.

PUBLIC IMPROVEMENTS PROGRAM

Introduction

Within the Public Improvements Program community facilities needs over the next 20 years are identified and listed. The program is based on the Community Facilities Plan within which are listed existing and possible future deficiencies in Belhaven's equipment and physical plant. Recommendations for upgrading, improving, and increasing the capital facilities owned by the town have been offered in the Community Facilities Plan. This Public Improvements Program is a scheduling which the town can utilize over a 20 year period to improve the quality and increase the quantity of its capital improvements, and is the second step in the planning-programming-budgeting process. The final step, budgeting, Belhaven should use to guide the expenditure of all funds on capital improvements in the future. The end goal in this process is to achieve a high level of economy in the operation of local government. The program, subject to annual modification and revision, is offered as a guide to citizens and public officials in improving Belhaven for present and future generations.

Financing

Current revenues are considered the least expensive means by which to finance most of the program's recommendations. However, it is often necessary to incur long term

debt to finance needed improvements. This is the case with the proposed water and sewer improvements scheduled to be completed by 1972. The initial installation of lines are to be financed with a grant from the Economic Development Administration and bonds to be sold through the U.S. Department of Housing and Urban Development or on the private market.

Street improvements will be financed primarily with State funds authorized under the Powell Bill, which allows for street paving, repair, maintenance, and road bed improvements.

Other improvements in the Program will be financed with money from general revenues and electric revenues. Where available local funds should be matched with State and Federal grant funds.

Method of Scheduling Improvements

The Land Development Plan and Community Facilities Plan are the basis for the improvements to Belhaven's capital base scheduled in this report to the year 1990. The priority schedule is determined by the recurring operational needs of line departments, for vehicles and major equipment, and the need for coordinated expenditure on such capital improvements as streets, parks, and water and sewer extension. Improvement to the water and sewer system are a major concern of the town board. The subsequent paving of streets in the town is to be accomplished after water and sewer lines are

in the ground. Operational expenditures for vehicles, equipment, and wages are top priority. Recreation facility development should, when possible, be made with State and Federal matching funds, and are second in priority to operational expenditures. Improvements to the airport, library, and public buildings are also second priority.

The improvement period used in this report is three years. The revision of priorities within each improvement period may be necessary as the priorities and desires of town officials change in light of changing needs and requirements.

PUBLIC IMPROVEMENTS SCHEDULE

July 1, 1970-June 30, 1973
IMPROVEMENT
PUBLIC WORKS

JUSTIFICATION

1. Water System Improvements
The engineering study for water improvements is presently being revised and upon completion and approval of the Economic Development Administration construction will begin.

To make available safe and sanitary water to all housing units in Belhaven. See page 10 of the Community Facilities Section of this report.

Raw Water Line

---new 8" raw water line from the well sites to northwest of town to the treatment plant on Mill Street.

Finished Water Line

---new 8" finished line from treatment plant on Mill Street north along Mill Street to Old County Road. Thence eastward along Old County Road to Lee Street, thence south-

ward to Pantego Street, thence westward along Pantego Street to Washington Street where it will connect with a new 6" line distributing water north and south on Washington Street. This 8" line must be finished before any of the new lines east of Shoemake Creek will have adequate pressure.

---new 6" main along Pantego Street west of Mill Street to California Street.

---new 6" main from Main Street north along Washington Street to George Street.

---new 6" main from Washington Street east on George Street to King Street to an existing 6" main.

---new 6" main from Pantego to Old County Road on Pine Street.

---new 6" main along Pantego Street from an existing main on Pamlico Street to the new main running north and south along Pine Street.

---new 6" main from Pungo Street to Pantego Street along Edwards Street.

---new 6" main from Pantego Street north on Palm Street to the north end of Palm Street.

---new 6" main from Edward Street east on Pantego Street to Tooley Street.

---new 6" main from Pantego Street south on Tooley Street connecting with existing main at Cuthrell and Tooley Streets.

---new 6" main from Pamlico Street along Water (Front) Street to an existing 8" main at Water and Allen Street.

July 1, 1970-June 30, 1973

IMPROVEMENT

JUSTIFICATION

2. Sewerage System Improvements
The sewerage improvements engineering report is presently being revised and upon completion and approval by the Economic Development Administration will be constructed.

To make available a sanitary sewerage system to all housing units in Belhaven. See page 15 of the Community Facilities Plan Section of this report.

July 1, 1970-June 30, 1973
IMPROVEMENT

JUSTIFICATION

Below is a summary of the original engineering report.*

8" Sewer pipe, in place
26,000 LF
10" Sewer pipe, in place
1,500 LF
12" Sewer pipe in place
6,000 LF
8" Force mains 2,600 LF
Manholes
Wye Branches
Stabilizing Material
1 Small Lift Station
1 Large Lift Station
East Belhaven Treatment Plant

See page 17 of the Community Facilities Plan Section of this report.

Below is a detailed list of line installations to be made by 1970. The line sizes are shown on the map on page 17 of the Community Facilities Section of this report.

---new force line from California Street along Old County Road to a connection with a gravity main west of Lee Street and East of Shoemake Creek.

---new gravity main from 200' west of Lee Street on Old County Road to Lee Street, thence south on Lee Street to Pantego Street, thence east on Pantego Street to Riverview Street.

---new main from Main Street north on Lee Street to Pantego Street.

---new main from Main Street north on Washington Street to Duke Street.

---new main on Pungo Street running west from the Washington Street north-south main for approximately 200 feet.

*Letter to Local Government Commission July 25, 1966 from William C. Olsen and Associates, Engineers and Architects. Summary of water and sewer report for construction of extensions in Belhaven, North Carolina.

- new main on Bay Street running a distance of one block either side of the Washington Street main and connecting to the Washington Street main.
- new main from Lee Street on Old County Road to Railroad Street.
- new main the two block length of Duke Street connecting with the Lee Street main, on the west, and the Railroad Street main on the east.
- new main the two block length of George Street connecting with the Lee Street and Railroad Street mains on the west and east respectively.
- new main on Gum Street connecting with the Old County Road main via King Street.
- new main from Pantego to Duke Streets on Railroad Street.
- new main from Pantego Street to Old County Road on Haslin Street.
- new main from Pantego Street to Old County Road on Pine Street.
- new main from Pantego Street to Old County Road on Elm Street.
- new main on Old County Road from Pine Street to a new main on Pamlico Street.
- new main from Pungo Street to Pantego Street on Union Street.
- new main on Bay Street from Union Street east for two hundred feet.
- new main from 100 feet south of Bay Street to Old County Road on Pamlico Street.
- new main from Pantego Street north along Croatan Street to the Treatment Plan on Battalina Creek.
- new main from Pungo Street to Pantego Street on Edwards Street.
- new main one block north on Edwards Street from Pantego Street.
- new main from Latham Street to Pantego Street on River-view Street.

- new force main from Latham Street pumping station to Pantego Street on Lamont Street.
- new force main from Lamont Street along Pantego Street to Palm Street.
- new force main from Pantego Street along Palm Street to the Battalina Creek treatment plant.
- new force line from Palm Street along Pantego Street to Croatan Street pumping station.
- new main from Harbinger Street to U.S. 264 Bypass along Pantego Street.
- new main from Main Street to Pantego Street along Railroad Street.
- new main from Duke Street on Washington Street for an approximated distance of 300 feet.
- new main from Duke Street on Railroad Street for an approximate distance of 200 feet.
- new main on sections of Old County Road between Pine Street and Railroad Street when housing demand merits the lines.
- new main on Bay Street from Pamlico Street approximately 200 feet to the main extending east of Union Street on Bay Street.
- new main from Bay Street along Croatan Street to Pantego Street.
- new main from Croatan Street and Edwards Streets north of Pantego Street to the intersection of Old County Road, the Croatan-Edwards Extension, and Pamlico Street.
- new main from East Street to Lamont Street on Pantego Street.
- new main from Old County Road to Pungo Street on Quidley Lane.

July 1, 1970-June 30, 1973

IMPROVEMENT

POLICE DEPARTMENT

3. Replace 1 1968 Plymouth police car with a 1971 model police car.

JUSTIFICATION

To provide adequate transportation to police personnel. Existing vehicle 1968 Plymouth will have reached the point where resale value would begin to decline. See page 4 of the Community Facilities Section of this report.

FIRE DEPARTMENT

4. Replace 1942 Pumper Truck with a 1000/gpm pumper 1970 model truck.

To provide adequate fire protection inside town when one truck is called to fight county fires, two trucks are needed. By replacing the 1942 truck, a 1970 model and the 1956 model truck will each be available, one for county and one for in town fires.

PUBLIC WORKS

5. Equipment and Storage Garage to be built for the repair and storage of town equipment. Community Facilities Section p. 9 .

To provide adequate storage and maintenance space for town equipment. See page 9 of the Community Facilities Section of this report.

6. Replace 25 filament lights with mercury vapor street lights each year from July 1, 1970 to June 30, 1973.

To provide more efficient and safe street lighting. See page 16 of the Community Facilities Section of this report.

TRANSPORTATION

7. Streets to be paved after installation of water and sewer lines are as follows:
a. Union Street from Waters to Pantego Street.

To prevent dust and mud from disturbing abutting residences and to provide better access to the shopping, working and educational sections of Belhaven.

July 1, 1970-June 30, 1973

IMPROVEMENT

JUSTIFICATION

- b. Haslin Street from Pantego to Old County Road.
- c. Old County Road from Washington Street to 264 By-Pass.
- d. Old County Road from West Pantego to California Street.
- e. Pantego Street from Old County Road to 400 feet west of Harbinger Street.

8. Stop Signs

Replace 10 stop signs per year that are not standard or 30 by June 30, 1973.

See page 19 of the Community Facilities section of this report.

RECREATION

- a. Shoemake Park Landscaping and Development
- b. Site Acquisition and development of proposed West Pungo neighborhood playfield.

To improve the appearance of the area and to provide more park space for the town, especially to westside residents who have no parks. See page 27 of the Community Facilities Plan section of this report.

July 1, 1973-June 30, 1976

IMPROVEMENT

POLICE DEPARTMENT

JUSTIFICATION

- 1. Replace one 1971 Police Car with a new 1974 Police Car.

To provide adequate transportation to police personnel. See page 4 of the Community Facilities section of this report.

July 1, 1973-June 30, 1976
IMPROVEMENT

JUSTIFICATION

TRANSPORTATION

2. Streets to be paved.
 - a. Close Croatan and Edwards Street Extension and provide a 90° intersection with Pamlico Street to sewer treatment plant.
 - b. Duke
 - c. George Street
 - d. King Street from Old County Road North 700'.
 - e. Washington Street from Old County Road North 950'.
3. Replace six substandard stop signs in fiscal year 1973-74 and install 10 each year during the three year period. A total of 30 new signs should be installed during the three year period July 1, 1973 to June 30, 1976.
4. Acquire rights-of-way for the collector street running from Railroad Street to the U.S. 264 Bypass.

RECREATION

5. Landscape and develop Wynne's Gut Park.
6. Construct a Neighborhood Center and swimming pool for northside residents.

To prevent dust and mud from disturbing abutting residences and to provide better access to the shopping, working and educational sections of Belhaven. See page 19 of the Community Facilities section of this report.

To provide a safer street system in Belhaven. See page 20 of the Community Facilities section of this report.

See page 21 of the Community Facilities section of this report.

To supplement the efforts of private citizens to improve Wynne's Gut appearance and usefulness for small boat access. See page 27 of the Community Facilities section of this report.

To provide the northside of Belhaven with a building that may be used for neighborhood activities.

July 1, 1973-June 30, 1976
IMPROVEMENT

JUSTIFICATION

RECREATION (Continued)

7. Acquisition and development of 1 acre - A Neighborhood playfield for children under 10, located on or near Riverview Street north of Latham Street.

To provide park areas for small children in east Belhaven.

TOWN HALL

8. a. Construct seventy-four space parking lot behind Town Hall.

To provide more parking for Town Hall, Museum and persons wishing to transact business in downtown Belhaven. See page 3 of the Community Facilities section of this report.

- b. Interior Expansion of Office Space.

To provide the building inspector with a separate office.

PUBLIC WORKS

9. Install water lines in the following locations: south on Union Street to Pungo Street, east on Pungo Street to Pamlico Street.
10. Replace 25 filament lights with mercury vapor lights each year from July 1, 1970 to June 30, 1973.

To provide water service to developing areas of Belhaven. See page 12 of the Community Facilities section of this report.

To provide more efficient lighting service to Belhaven's citizens. See page 16 of the Community Facilities section of this report.

July 1, 1976-June 30, 1979
IMPROVEMENT

JUSTIFICATION

- FIRE DEPARTMENT
1. Replace 1956 pumper truck with a 1000 gpm 1976 pumper truck.

To replace truck purchased in 1956 which will provide adequate fire protection inside town

July 1, 1976-June 30, 1979
IMPROVEMENT

JUSTIFICATION

FIRE DEPARTMENT (Continued)

2. Replace Rescue Squad Truck

when one truck is called to fight county fires. See page 5 of the Community Facilities section of this report.

To provide a safe vehicle for emergency rescue operation. See page 7 of the Community Facilities section of this report.

POLICE DEPARTMENT

3. Replace 1974 Police Car with a 1977 Police Car.

To provide standard transportation to police personnel. See page 4 of the Community Facilities section of this report.

PUBLIC WORKS

4. All 4" water lines should be replaced with a minimum size line of 6".
- a. replace 4" line from Cuthrell Street to Main Street along Tooley Street.
 - b. replace 4" line from Tooley Street to Riverview Street along Main Street.
 - c. replace 4" line from Main Street to Water (Front) Street on Riverview Street.
 - d. replace 4" line from Riverview Street to Pamlico Street along Water (Front) Street.
 - e. replace 4" line from Main Street to Water (Front) Street along Magnolia Street.

To provide sanitary water at adequate pressure to the east end neighborhood. See page 10 of the Community Facilities section of this report.

July 1, 1976-June 30, 1979
IMPROVEMENT

JUSTIFICATION

PUBLIC WORKS (Continued)

- f. install 6" main on Latham Street between Cedar and Lamont Streets and north on Riverview Street from Latham to Pantego.
5. Replace 24 filament lights with mercury vapor lights from July 1, 1976 to June 30, 1977. Install new mercury vapor lights as requested and according to the lighting standard of one light every 400'.

See page 10 of the Community Facilities section of this report.

To provide more efficient lighting services to Belhaven's citizens. See page 16 of the Community Facilities section of this report.

TRANSPORTATION

6. Streets to be paved.
a. Railroad Street from Old County Road to city limits.
b. Bay Street from Lee Street to Railroad Street.
c. Lee Street from Main Street to Gum Street.
d. Gum Street from Lee Street to Washington Street.
e. Pungo Street from Washington to Town Maintenance Garage.

7. Replace nine stop signs during fiscal year 1976.

To prevent dust and mud from disturbing abutting residences and to provide better access to shopping, working, and educational parts of Belhaven. See page 19 of the Community Facilities section of this report.

8. Acquire additional collector rights-of-way west of U.S. 264 Bypass north of Pantego Street

To provide a safer street system in Belhaven. See page 20 of the Community Facilities section of this report.

9. Street Identification Signs
Fourteen substandard street identification signs should be repaired or replaced and 10 new ones installed by June 30, 1979.

See page 19 of the Community Facilities section of this report.

To properly identify streets in Belhaven. See page 20 of the Community Facilities section of this report.

July 1, 1976-June 30, 1979
IMPROVEMENT

JUSTIFICATION

RECREATION

10. Acquisition of land and development of the proposed Pamlico Street Neighborhood Playfield.
11. Acquisition of land and development of a fourth neighborhood playfield in the block bounded by Bay, Main, Pamlico and Edwards Streets.

To provide play space for small children in the Elm and Pine Street areas.

To provide play space for small children in a six block area. See page 27 of the Community Facilities section of this report.

July 1, 1979-June 30, 1982
IMPROVEMENT

JUSTIFICATION

PUBLIC WORKS

1. Replace 1969 Packer Truck with a 1979 Packer Truck.

To provide the town with standard garbage service at a minimum cost. See page 10 of the Community Facilities section of this report.

POLICE DEPARTMENT

2. Replace one police car with 1980 model and buy one additional 1981 model police car.
3. Add one full-time policeman to the police force.

To provide standard transportation and adequate police personnel. See page 4 of the Community Facilities section of this report.

TRANSPORTATION

4. Streets to be paved.
 - a. Riverview Street from Latham to Pantego.
 - b. Herber Street from Riverview to Lamont Street.
 - c. Lamont Street from Cuthrell to Pantego.
 - d. Pantego Street from East Street to Edwards Street.

To prevent dust and mud from disturbing abutting residences and to provide better access to shopping, working and educational parts of Belhaven. See page 19 of the Community Facilities section of this report.

July 1, 1979-June 30, 1982
IMPROVEMENT

JUSTIFICATION

TRANSPORTATION (Continued)

- e. California Street from Old County Road to West Pantego.
- 5. Acquire right-of-way for Harbinger Street extension north to the planned collector connecting U.S. 264 Bypass with U.S. 264 to the west.
- 6. Install 30 new street identification signs from July 1, 1979 to June 30, 1982.

See page 19 of the Community Facilities section of this report.

To complete collector system for west Belhaven. See page 19 of the Community Facilities section of this report.

To identify streets in Belhaven. See page 20 of the Community Facilities section of this report.

July 1, 1982-June 30, 1985
IMPROVEMENT

JUSTIFICATION

POLICE DEPARTMENT

- 1. Replace two police cars. One in 1983 and one in 1984.
- 2. Add one patrolman in 1985.

To provide standard transportation and adequate police personnel. See page 4 of the Community Facilities section of this report.

PUBLIC WORKS

- 3. Install 6" water main along new collector street right-of-way between Railroad Street and U.S. 264 Bypass and south along U.S. 264 Bypass to Pantego Street.
- 4. Install sewer main along new collector street right-of-way between Railroad Street and U.S. 264 Bypass to Pantego Street.

To provide water service to the developing areas of Belhaven. See page 10 of the Community Facilities section of this report.

To provide sanitary sewer service to the developing areas of Belhaven. See page 15 of the Community Facilities section of this report.

July 1, 1982-June 30, 1985
IMPROVEMENT

JUSTIFICATION

TRANSPORTATION

5. Streets to be paved.
 - a. Mill Street from Main to Old County Road.
 - b. Cemetery Road from Main Street around the northwest Cemetery to Pantego.
 - c. Pantego from Cemetery Road 400' west of Harbinger.
 - d. Bay Street from Cemetery Road to Harbinger Street.
 - e. Pungo from Cemetery Road east to existing pavement.
6. Install 14 street identification signs by the end of fiscal year 1985.

To prevent dust and mud from disturbing abutting residences and to provide better access to shopping, working and educational parts of Belhaven. See page 19 of the Community Facilities section of this report.

See page 20 of the Community Facilities section of this report.

July 1, 1985-June 30, 1990
IMPROVEMENT

JUSTIFICATION

POLICE DEPARTMENT

1. Replace two police cars. One in 1986 and one in 1988.
2. Add one policeman in 1990.

To provide standard transportation and adequate police personnel. See page 4 of the Community Facilities section of this report.

FIRE DEPARTMENT

3. Replace 1970 pumper truck with 1000 gym pumper truck in 1990.

To provide adequate fire protection inside town when one truck is called to fight county fires. See page 5 of the Community Facilities section of this report.

July 1, 1985-June 30, 1990
IMPROVEMENT

JUSTIFICATION

PUBLIC WORKS

4. Replace packer truck in 1989.

To provide the town with standard garbage service at a minimum cost. See page 10 of the Community Facilities section of this report.

TRANSPORTATION

5. Streets to be paved.

- a. Cemetery Avenue from Pungo to Bay Street.

To prevent dust and mud from disturbing abutting residences and to provide better access to shopping, working and educational parts of Belhaven. See page 19 of the Community Facilities section of this report.

